

CRF or Corrected by the STIC System Branch

Serial Number: 09/890,549

CRF Processing Date: 8/22/2002  
Edited by: *[Signature]*  
Verified by: *[Signature]* (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: *deleted extraneous marks from <2137 portion of seq 17*  
*grouped <1507 and <1517 lines*

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT09

## RAW SEQUENCE LISTING

DATE: 08/27/2002

PATENT APPLICATION: US/09/890,549

TIME: 16:32:07

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\08272002\I890549.raw

p.6

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.  
 5 TANG, Y. Tom  
 6 HILLMAN, Jennifer L.  
 7 YUE, Henry  
 8 AZIMZAI, Yalda  
 9 BAUGHN, Mariah R.  
 10 TRAN, Bao  
 12 <120> TITLE OF INVENTION: HUMAN LIPID-ASSOCIATED PROTEINS  
 14 <130> FILE REFERENCE: PF-0676 PCT  
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/890,549  
 C--> 17 <141> CURRENT FILING DATE: 2002-08-26  
 19 <150> PRIOR APPLICATION NUMBER: 60/120,703  
 20 <151> PRIOR FILING DATE: 1999-02-19  
 21 <150> PRIOR APPLICATION NUMBER: 60/142,762  
 22 <151> PRIOR FILING DATE: 1999-07-08  
 24 <160> NUMBER OF SEQ ID NOS: 24  
 26 <170> SOFTWARE: PERL Program  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 331  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Homo sapiens  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: misc\_feature  
 35 <223> OTHER INFORMATION: Incyte ID No: 161190CD1  
 37 <400> SEQUENCE: 1  
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 39 1 5 10 15  
 40 Phe Arg Glu Arg Val Ser Pro Val His Leu Gln Ile Leu Leu Thr  
 41 20 25 30  
 42 Asn Asn Glu Ala Trp Lys Arg Phe Val Thr Ala Ala Glu Leu Pro  
 43 35 40 45  
 44 Arg Asp Glu Ala Asp Ala Leu Tyr Glu Ala Leu Lys Lys Leu Arg  
 45 50 55 60  
 46 Thr Tyr Ala Ala Ile Glu Asp Glu Tyr Val Gln Gln Lys Asp Glu  
 47 65 70 75  
 48 Gln Phe Arg Glu Trp Phe Leu Lys Glu Phe Pro Gln Val Lys Arg  
 49 80 85 90  
 50 Lys Ile Gln Glu Ser Ile Glu Lys Leu Arg Ala Leu Ala Asn Gly  
 51 95 100 105  
 52 Ile Glu Glu Val His Arg Gly Cys Thr Ile Ser Asn Val Val Ser  
 53 110 115 120  
 54 Ser Ser Thr Gly Ala Ala Ser Gly Ile Met Ser Leu Ala Gly Leu  
 55 125 130 135

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57           140           145           150
58 Ala Gly Val Gly Leu Gly Ala Ala Ser Ala Val Thr Gly Ile Thr
59           155           160           165
60 Thr Ser Ile Val Glu His Ser Tyr Thr Ser Ser Ala Glu Ala Glu
61           170           175           180
62 Ala Ser Arg Leu Thr Ala Thr Ser Ile Asp Arg Leu Lys Val Phe
63           185           190           195
64 Lys Glu Val Met Arg Asp Ile Thr Pro Asn Leu Leu Ser Leu Leu
65           200           205           210
66 Asn Asn Tyr Tyr Glu Ala Thr Gln Thr Ile Gly Ser Glu Ile Arg
67           215           220           225
68 Ala Ile Arg Gln Ala Arg Ala Arg Ala Arg Leu Pro Val Thr Thr
69           230           235           240
70 Trp Arg Ile Ser Ala Gly Ser Gly Gly Gln Ala Glu Arg Thr Ile
71           245           250           255
72 Ala Gly Thr Thr Arg Ala Val Ser Arg Gly Ala Arg Ile Leu Ser
73           260           265           270
74 Ala Thr Thr Ser Gly Ile Phe Leu Ala Leu Asp Val Val Asn Leu
75           275           280           285
76 Val Tyr Glu Ser Lys His Leu His Glu Gly Ala Lys Ser Ala Ser
77           290           295           300
78 Ala Glu Glu Leu Arg Arg Gln Ala Gln Glu Leu Glu Glu Asn Leu
79           305           310           315
80 Met Glu Leu Thr Gln Ile Tyr Gln Arg Leu Asn Pro Cys His Thr
81           320           325           330
82 His
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86 <211> LENGTH: 480
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <223> OTHER INFORMATION: Incyte ID No: 1292575CD1
94 <400> SEQUENCE: 2
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98           20           25           30
99 Thr Gly Met Ile Asp Leu Asp Thr Ser Lys Asn Asn Arg Ile Gly
100           35           40           45
101 Lys Thr Gly Glu Arg Pro Ser Gln Glu Asn Gly Ile Gln Lys His
102           50           55           60
103 Arg Thr Ser Leu Pro Ala Pro Met Phe Ser Arg Ser Asp Phe Ser
104           65           70           75
105 Val Trp Thr Ile Leu Lys Lys Cys Val Gly Leu Glu Leu Ser Lys
106           80           85           90
107 Ile Thr Met Pro Ile Ala Phe Asn Glu Pro Leu Ser Phe Leu Gln
108           95           100           105

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|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 109 | Arg | Ile | Thr | Glu | Tyr | Met | Glu | His | Val | Tyr | Leu | Ile | His | Arg | Ala |
| 110 |     |     |     |     | 110 |     |     |     |     | 115 |     |     |     |     | 120 |
| 111 | Ser | Cys | Gln | Pro | Gln | Pro | Leu | Glu | Arg | Met | Gln | Ser | Val | Ala | Ala |
| 112 |     |     |     |     | 125 |     |     |     |     | 130 |     |     |     |     | 135 |
| 113 | Phe | Ala | Val | Ser | Ala | Val | Ala | Ser | Gln | Trp | Glu | Arg | Thr | Gly | Lys |
| 114 |     |     |     |     | 140 |     |     |     |     | 145 |     |     |     |     | 150 |
| 115 | Pro | Phe | Asn | Pro | Leu | Leu | Gly | Glu | Thr | Tyr | Glu | Leu | Ile | Arg | Glu |
| 116 |     |     |     |     | 155 |     |     |     |     | 160 |     |     |     |     | 165 |
| 117 | Asp | Leu | Gly | Phe | Arg | Phe | Ile | Ser | Glu | Gln | Val | Ser | His | His | Pro |
| 118 |     |     |     |     | 170 |     |     |     |     | 175 |     |     |     |     | 180 |
| 119 | Pro | Ile | Ser | Ala | Phe | His | Ser | Glu | Gly | Leu | Asn | His | Asp | Phe | Leu |
| 120 |     |     |     |     | 185 |     |     |     |     | 190 |     |     |     |     | 195 |
| 121 | Phe | His | Gly | Ser | Ile | Tyr | Pro | Lys | Leu | Lys | Phe | Trp | Gly | Lys | Ser |
| 122 |     |     |     |     | 200 |     |     |     |     | 205 |     |     |     |     | 210 |
| 123 | Val | Glu | Ala | Glu | Pro | Arg | Gly | Thr | Ile | Thr | Leu | Glu | Leu | Leu | Lys |
| 124 |     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |     | 225 |
| 125 | His | Asn | Glu | Ala | Tyr | Thr | Trp | Thr | Asn | Pro | Thr | Cys | Cys | Val | His |
| 126 |     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |
| 127 | Asn | Val | Ile | Ile | Gly | Lys | Leu | Trp | Ile | Glu | Gln | Tyr | Gly | Thr | Val |
| 128 |     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |
| 129 | Glu | Ile | Leu | Asn | His | Arg | Thr | Gly | His | Lys | Cys | Val | Leu | His | Phe |
| 130 |     |     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |
| 131 | Lys | Pro | Cys | Gly | Leu | Phe | Gly | Lys | Glu | Leu | His | Lys | Val | Glu | Gly |
| 132 |     |     |     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |
| 133 | His | Ile | Gln | Asp | Lys | Asn | Lys | Lys | Lys | Leu | Phe | Met | Ile | Tyr | Gly |
| 134 |     |     |     |     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |
| 135 | Lys | Trp | Thr | Glu | Cys | Leu | Trp | Gly | Ile | Asp | Pro | Val | Ser | Tyr | Glu |
| 136 |     |     |     |     | 305 |     |     |     |     | 310 |     |     |     |     | 315 |
| 137 | Ser | Phe | Lys | Lys | Gln | Glu | Arg | Arg | Gly | Asp | His | Leu | Arg | Lys | Ala |
| 138 |     |     |     |     | 320 |     |     |     |     | 325 |     |     |     |     | 330 |
| 139 | Lys | Leu | Asp | Glu | Asp | Ser | Gly | Lys | Ala | Asp | Ser | Asp | Val | Ala | Asp |
| 140 |     |     |     |     | 335 |     |     |     |     | 340 |     |     |     |     | 345 |
| 141 | Asp | Val | Pro | Val | Ala | Gln | Glu | Thr | Val | Gln | Val | Ile | Pro | Gly | Ser |
| 142 |     |     |     |     | 350 |     |     |     |     | 355 |     |     |     |     | 360 |
| 143 | Lys | Leu | Leu | Trp | Arg | Ile | Asn | Thr | Arg | Pro | Pro | Asn | Ser | Ala | Gln |
| 144 |     |     |     |     | 365 |     |     |     |     | 370 |     |     |     |     | 375 |
| 145 | Met | Tyr | Asn | Phe | Thr | Ser | Phe | Thr | Val | Ser | Leu | Asn | Glu | Leu | Glu |
| 146 |     |     |     |     | 380 |     |     |     |     | 385 |     |     |     |     | 390 |
| 147 | Thr | Gly | Met | Glu | Lys | Thr | Leu | Pro | Pro | Thr | Asp | Cys | Arg | Leu | Arg |
| 148 |     |     |     |     | 395 |     |     |     |     | 400 |     |     |     |     | 405 |
| 149 | Pro | Asp | Ile | Arg | Gly | Met | Glu | Asn | Gly | Asn | Met | Asp | Leu | Ala | Ser |
| 150 |     |     |     |     | 410 |     |     |     |     | 415 |     |     |     |     | 420 |
| 151 | Gln | Glu | Lys | Glu | Arg | Leu | Glu | Glu | Lys | Gln | Arg | Glu | Ala | Arg | Arg |
| 152 |     |     |     |     | 425 |     |     |     |     | 430 |     |     |     |     | 435 |
| 153 | Glu | Arg | Ala | Lys | Glu | Glu | Ala | Glu | Trp | Gln | Thr | Arg | Trp | Phe | Tyr |
| 154 |     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |     | 450 |
| 155 | Pro | Gly | Asn | Asn | Pro | Tyr | Thr | Gly | Thr | Pro | Asp | Trp | Leu | Tyr | Ala |
| 156 |     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     | 465 |
| 157 | Gly | Asp | Tyr | Phe | Glu | Arg | Asn | Phe | Ser | Asp | Cys | Pro | Asp | Ile | Tyr |

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PATENT APPLICATION: US/09/890,549

DATE: 08/27/2002

TIME: 16:32:07

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\08272002\I890549.raw

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163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <223> OTHER INFORMATION: Incyte ID No: 2454393CD1
170 <400> SEQUENCE: 3
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172   1                               5                               10                               15
173 Val Ala Pro Trp Arg Ser Ser Leu His Pro Cys Glu Ile Thr Ala
174                               20                               25                               30
175 Leu Ser Gln Ser Leu Gln Pro Leu Arg Lys Leu Pro Phe Arg Ala
176                               35                               40                               45
177 Phe Arg Thr Asp Ala Arg Lys Ile His Thr Ala Pro Ala Arg Thr
178                               50                               55                               60
179 Met Phe Leu Leu Arg Pro Leu Pro Ile Leu Leu Val Thr Gly Gly
180                               65                               70                               75
181 Gly Tyr Ala Gly Tyr Arg Gln Tyr Glu Lys Tyr Arg Glu Arg Glu
182                               80                               85                               90
183 Leu Glu Lys Leu Gly Leu Glu Ile Pro Pro Lys Leu Ala Gly His
184                               95                               100                              105
185 Trp Glu Val Ala Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser
186                               110                              115                              120
187 Arg Ala Trp Gly Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu
188                               125                              130                              135
189 Arg Arg Pro Val Tyr Ser Leu Tyr Ile Trp Thr Phe Gly Val Asn
190                               140                              145                              150
191 Met Lys Glu Ala Ala Val Glu Asp Leu His His Tyr Arg Asn Leu
192                               155                              160                              165
193 Ser Glu Phe Phe Arg Arg Lys Leu Lys Pro Gln Ala Arg Pro Val
194                               170                              175                              180
195 Cys Gly Leu His Ser Val Ile Ser Pro Ser Asp Gly Arg Ile Leu
196                               185                              190                              195
197 Asn Phe Gly Gln Val Lys Asn Cys Glu Val Glu Gln Val Lys Gly
198                               200                              205                              210
199 Val Thr Tyr Ser Leu Glu Ser Phe Leu Gly Pro Arg Met Cys Thr
200                               215                              220                              225
201 Glu Asp Leu Pro Phe Pro Pro Ala Ala Ser Cys Asp Ser Phe Lys
202                               230                              235                              240
203 Asn Gln Leu Val Thr Arg Glu Gly Asn Glu Leu Tyr His Cys Val
204                               245                              250                              255
205 Ile Tyr Leu Ala Pro Gly Asp Tyr His Cys Phe His Ser Pro Thr
206                               260                              265                              270
207 Asp Trp Thr Val Ser His Arg Arg His Phe Pro Gly Ser Leu Met
208                               275                              280                              285
209 Ser Val Asn Pro Gly Met Ala Arg Trp Ile Lys Glu Leu Phe Cys
210                               290                              295                              300

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DATE: 08/27/2002

PATENT APPLICATION: US/09/890,549

TIME: 16:32:07

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\08272002\I890549.raw

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211 His Asn Glu Arg Val Val Leu Thr Gly Asp Trp Lys His Gly Phe
212          305          310          315
213 Phe Ser Leu Thr Ala Val Gly Ala Thr Asn Val Gly Ser Ile Arg
214          320          325          330
215 Ile Tyr Phe Asp Arg Asp Leu His Thr Asn Ser Pro Arg His Ser
216          335          340          345
217 Lys Gly Ser Tyr Asn Asp Phe Ser Phe Val Thr His Thr Asn Arg
218          350          355          360
219 Glu Gly Val Pro Met Arg Lys Gly Glu His Leu Gly Glu Phe Asn
220          365          370          375
221 Leu Gly Ser Thr Ile Val Leu Ile Phe Glu Ala Pro Lys Asp Phe
222          380          385          390
223 Asn Phe Gln Leu Lys Thr Gly Gln Lys Ile Arg Phe Gly Glu Ala
224          395          400          405
225 Leu Gly Ser Leu
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229 <211> LENGTH: 759
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <223> OTHER INFORMATION: Incyte ID No: 2766980CD1
237 <400> SEQUENCE: 4
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239   1          5          10          15
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241          20          25          30
242 Ser Ser Ala Ile Val Glu Ile Phe Ser Lys Tyr Gln Lys Ala Ala
243          35          40          45
244 Glu Glu Thr Asn Met Glu Lys Lys Arg Ser Asn Thr Glu Asn Leu
245          50          55          60
246 Ser Gln His Phe Arg Lys Gly Thr Leu Thr Val Leu Lys Lys Lys
247          65          70          75
248 Trp Glu Asn Pro Gly Leu Gly Ala Glu Ser His Thr Asp Ser Leu
249          80          85          90
250 Arg Asn Ser Ser Thr Glu Ile Arg His Arg Ala Asp His Pro Pro
251          95          100          105
252 Ala Glu Val Thr Ser His Ala Ala Ser Gly Ala Lys Ala Asp Gln
253          110          115          120
254 Glu Glu Gln Ile His Pro Arg Ser Arg Leu Arg Ser Pro Pro Glu
255          125          130          135
256 Ala Leu Val Gln Gly Arg Tyr Pro His Ile Lys Asp Gly Glu Asp
257          140          145          150
258 Leu Lys Asp His Ser Thr Glu Ser Lys Lys Met Glu Asn Cys Leu
259          155          160          165
260 Gly Glu Ser Arg His Glu Val Glu Lys Ser Glu Ile Ser Glu Asn
261          170          175          180
262 Thr Asp Ala Ser Gly Lys Ile Glu Lys Tyr Asn Val Pro Leu Asn
263          185          190          195

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/890,549

DATE: 08/27/2002  
TIME: 16:32:08

Input Set : A:\pto.amc.txt

Output Set: N:\CRF4\08272002\I890549.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:17; N Pos. 1237